

FIG. 2A Solder heat test (270 °C, 5 cycles) 1. E-09 8. E-10 Dark current 6.E-10 (A) 4. E-10 2. E-10 · 0. E+00 5 Reverse bias (V) → After 1 cycle ◆ Initial state → After 3 cycles → After 5 cycles

FIG. 2B

High temperature and high humidity test (85 °C, 85 %RH)

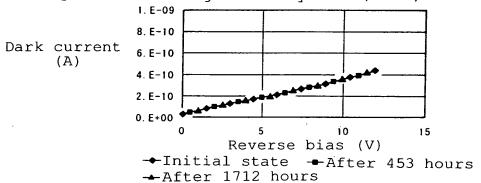


FIG. 2C-1 Temperature cycle test (-40 to 125 °C)

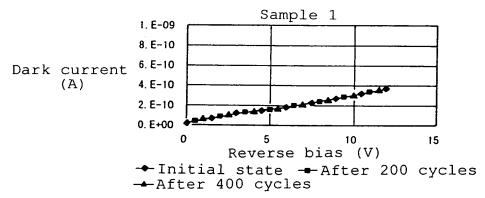
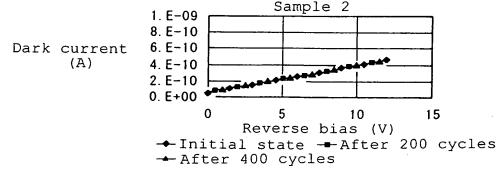
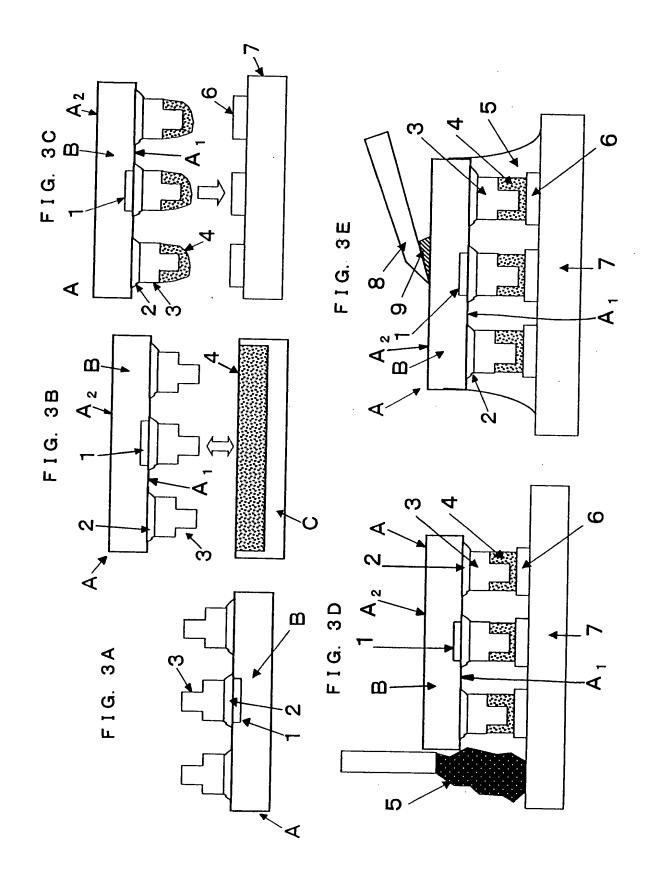


FIG. 2C-2 Temperature cycle test (-40 to 125 °C)





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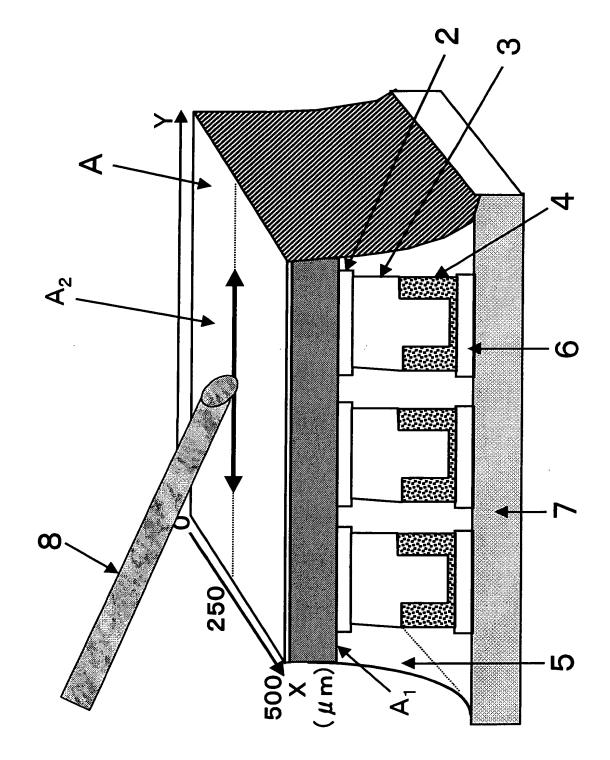
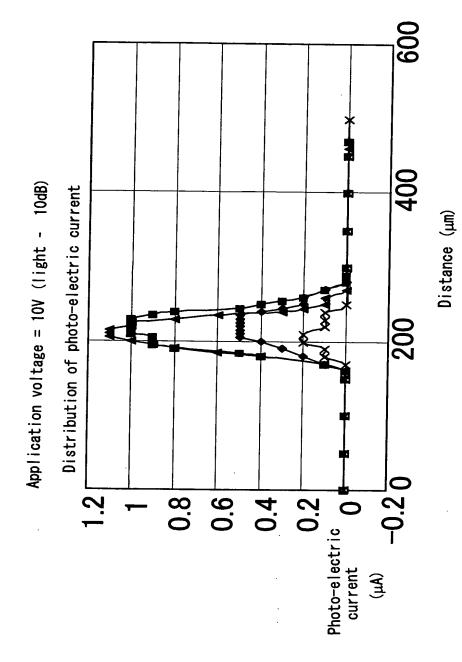
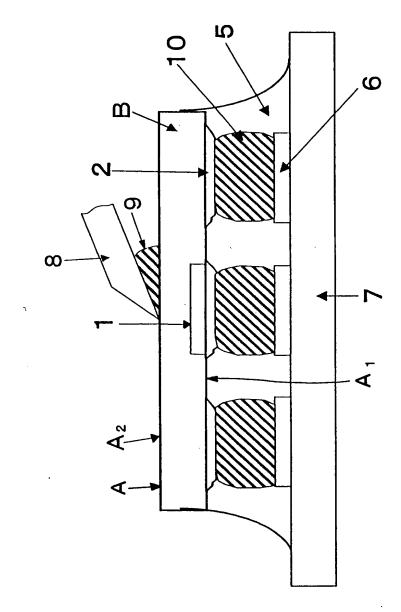


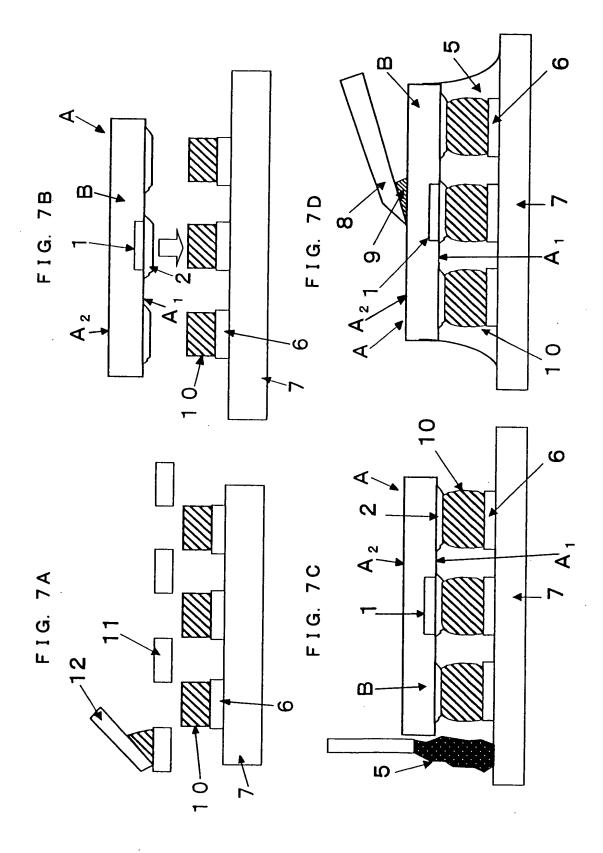
FIG. 5



→ X=230μm → X=250μm → X=270μm → X=300μm

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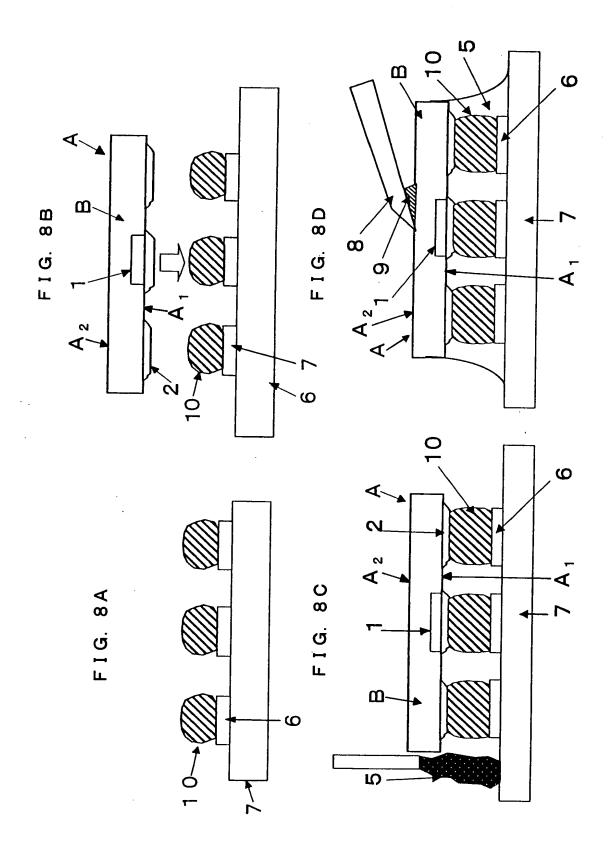
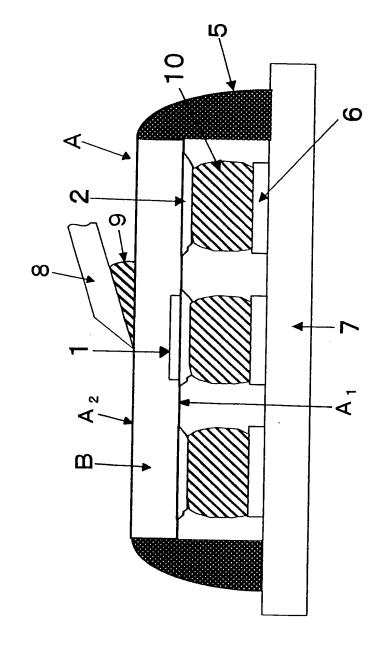
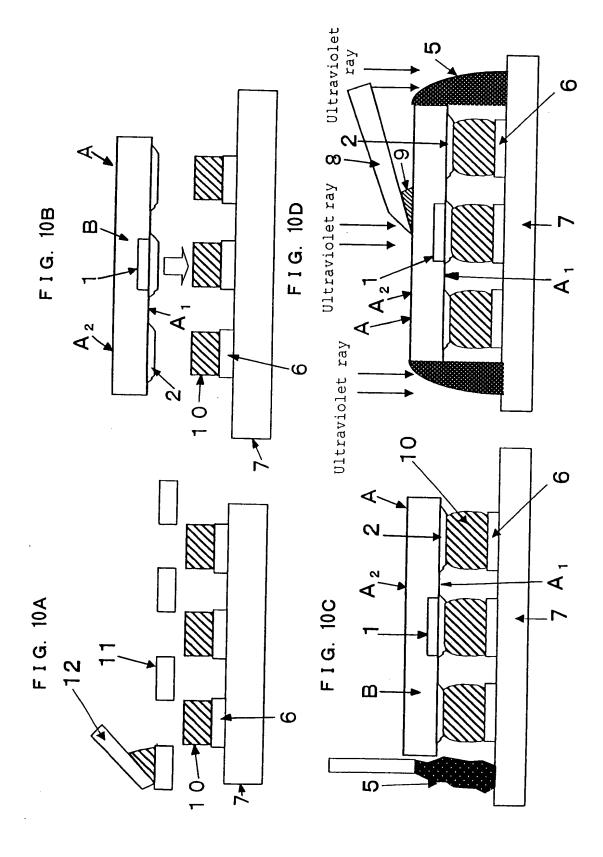
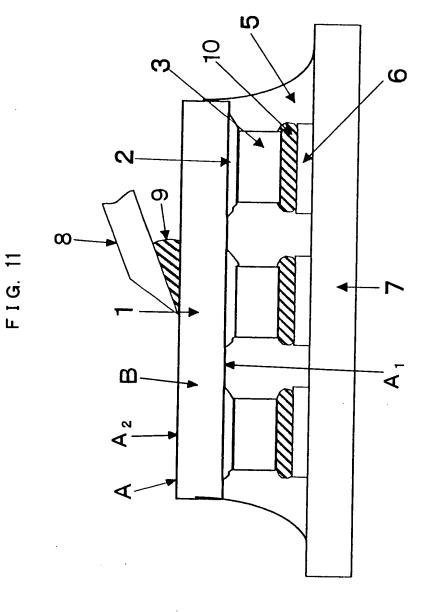
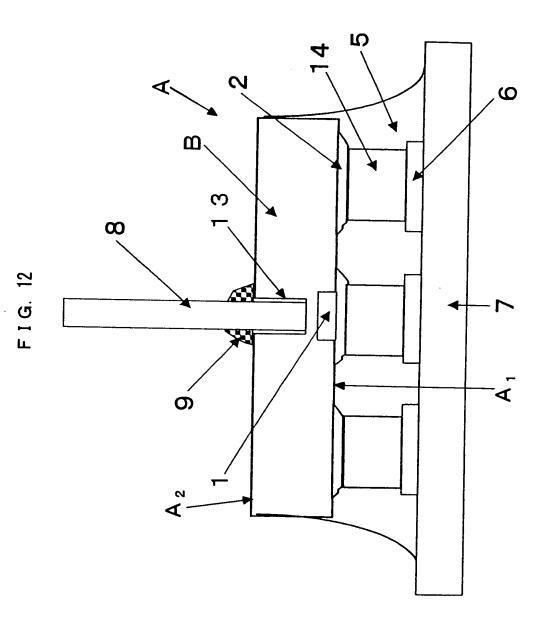


FIG. 9







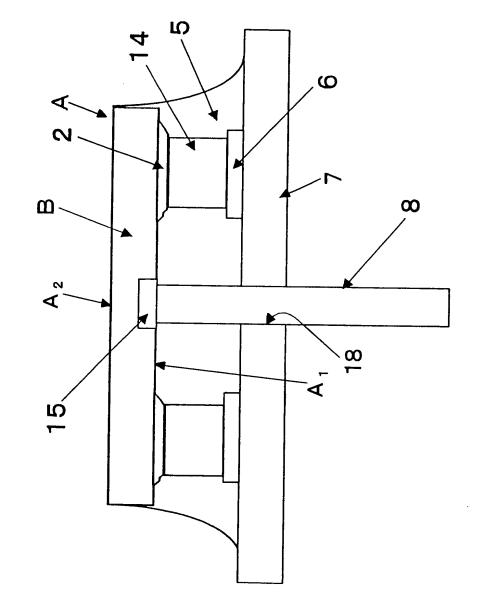


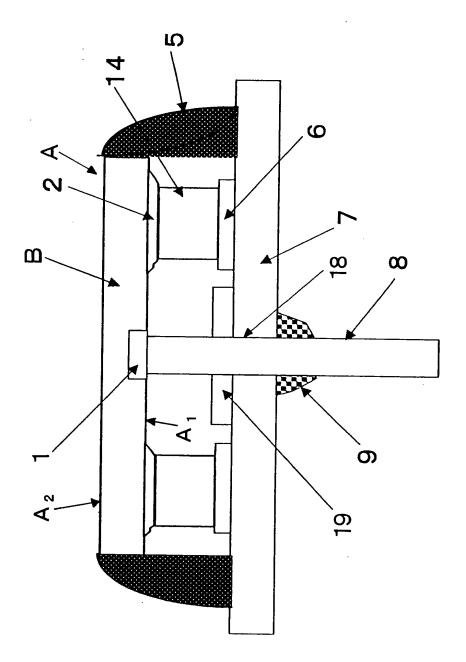
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